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10/714,390	11/14/2003	Vasanth R. Tovinkere	81674-306505	3961

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EXAMINER

HWANG, JOON H

ART UNIT PAPER NUMBER

2166

DATE MAILED: 07/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

10/714,390

Applicant(s)

TOVINKERE ET AL.

Examiner

Joon H. Hwang

Art Unit

2166

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on 14 November 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 28-51 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 28-51 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 11/14/03

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

### **DETAILED ACTION**

1. The applicants canceled claims 1-27, amended claim 28, and added new claims 30-51 in the preliminary amendment received on 11/14/03.

The pending claims are 28-51.

### ***Claim Objections***

2. Claims 29 and 33-34 are objected to because of the following informalities:
  - "the occurrences" in 3<sup>rd</sup> line of claim 29 should be "occurrences";
  - "the occurrences" in 2<sup>nd</sup> line of claim 33 should be "occurrences"; and
  - "the raw data" in 2<sup>nd</sup> line of claim 34 should be "raw data".

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 36-51 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 36 recites the limitation "said semantic temporal event" in 3<sup>rd</sup> line and "the semantic temporal event" in lines 5-6 and 9. There is insufficient antecedent basis for this limitation in the claim. Changing "semantic temporal events" in 1<sup>st</sup> line of claim 36

to "a semantic temporal event" is suggested. Claims 37-43, incorporating the deficiencies of claim 36, are likewise rejected.

Claim 38 is incomplete, thus indefinite.

Claim 44 recites the limitation "said semantic temporal event" in lines 3, 14, and 16 and "the semantic temporal event" in lines 5-6 and 9. There is insufficient antecedent basis for this limitation in the claim. Changing "semantic temporal events" in 1<sup>st</sup> line of claim 44 to "a semantic temporal event" is suggested. Claims 45-51, incorporating the deficiencies of claim 44, are likewise rejected.

Claim 46 is incomplete, thus indefinite.

### ***Claim Rejections - 35 USC § 102***

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 28-33 are rejected under 35 U.S.C. 102(e) as being anticipated by Erdelyi (U.S. Patent No. 6,631,522).

With respect to claim 28, Erdelyi teaches receiving a query request from a client at search engine server (fig. 16, lines 31-38 in col. 2, lines 8-19 in col. 5, and lines 38-57

in col. 22). Erdelyi teaches retrieving data requested by said client from a data storage based on event based indexing (abstract, lines 5-14 in col. 2, lines 8-18 in col. 13, and fig. 4). Erdelyi teaches sending said data to said client (fig. 16, lines 31-38 in col. 2, lines 8-19 in col. 5, lines 38-57 in col. 22, and fig. 4).

With respect to claim 29, Erdelyi teaches said query request includes a semantic temporal event (line 53 in col. 21 thru line 11 in col. 22). Erdelyi teaches said query request includes statistics of the occurrences of a semantic temporal event (line 66 in col. 7 thru line 5 in col. 8 and line 53 in col. 21 thru line 11 in col. 22). Erdelyi teaches said query request includes statistics of a sports game (lines 26-34 in col. 10 and lines 4-10 in col. 14). Erdelyi teaches said query request includes descriptions of actions in a sports game (lines 8-18 in col. 3).

With respect to claim 30, Erdelyi teaches event based indexing includes building an index to raw data stored in a data storage based on at least one of a detected event, an event statistic, and event action description (abstract).

The limitations of claims 31-33 and 35 are rejected in the analysis of claim 29 above, and these claims are rejected on that basis.

With respect to claim 34, Erdelyi teaches said data sent to the client is a portion of the raw data (abstract and lines 33-60 in col. 4).

7. Claims 36-41 are rejected under 35 U.S.C. 102(b) as being anticipated by Chang et al. (U.S. Patent No. 5,828,809).

With respect to claim 36, Chang teaches retrieving multiple-layer models corresponding to said semantic temporal event (abstract and lines 14-18 in col. 5). Chang teaches receiving temporal observations that are extracted, from at least one data source, according to said multiple-layer models for the semantic temporal event (abstract, figs. 8a, 8b, 9a, and 9b, and lines 14-18 in col. 5). Chang teaches detecting one or more occurrences of the semantic temporal event based on said temporal observations and said multiple-layer models by supplying said temporal observations to said multiple-layer models (abstract, lines 14-18 and 54-65 in col. 5, lines 40-59 in col. 8). Chang teaches characterizing said one or more occurrences of the semantic temporal event, detected by said detecting, to produce a characterization (abstract, lines 14-18 and 54-65 in col. 5, lines 40-59 in col. 8). Chang teaches storing said characterization (abstract, lines 14-18 and 54-65 in col. 5, lines 40-59 in col. 8). Chang teaches building indices to said temporal observations based on said characterizing (fig. 1, lines 28-49 in col. 2, and lines 41-58 in col. 3). Chang teaches receiving a query request from a client, retrieving data requested by said client based on said indices, and sending said data to said client (lines 30-58 in col. 3 and lines 11-17 in col. 4).

With respect to claim 37, Chang teaches said query request is received at a search engine server (lines 30-58 in col. 3 and lines 11-17 in col. 4).

The limitations of claim 38 are rejected in the analysis of claim 37 above, and the claim is rejected on that basis.

With respect to claim 39, Chang teaches storing said temporal observations in a data storage, and wherein said data requested by said client is retrieved from said data storage (lines 30-58 in col. 3 and lines 11-17 in col. 4).

With respect to claim 40, Chang teaches the indices are based on at least one of a detected event, an event statistic, and an event action description (fig. 1, lines 28-49 in col. 2, and lines 30-58 in col. 3).

With respect to claim 41, Chang teaches said query request includes a semantic temporal event (fig. 1, lines 28-49 in col. 2, and lines 30-58 in col. 3).

***Claim Rejections - 35 USC § 103***

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 42-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Chang et al. (U.S. Patent No. 5,828,809) in view of Erdelyi (U.S. Patent No. 6,631,522).

With respect to claims 42-43, Chang discloses the claimed subject matter as discussed above except querying statistical information of a semantic temporal event. However, Erdelyi teaches querying statistics of a sports game (lines 26-34 in col. 10 and lines 4-10 in col. 14) and querying statistics of the occurrences of a semantic temporal event (line 66 in col. 7 thru line 5 in col. 8 and line 53 in col. 21 thru line 11 in col. 22) in order to produce an individualized, user-configurable video presentation.

Therefore, based on Chang in view of Erdelyi, it would have been obvious to one having ordinary skill in the art at the time the invention was made to utilize the teaching of Erdelyi to the system of Change in order to produce an individualized, user-configurable video presentation.

***Allowable Subject Matter***

10. Claims 44-51 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joon H. Hwang whose telephone number is 571-272-4036. The examiner can normally be reached on 9:30-6:00(M-F).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain T. Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.



Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

  
Joon Hwang  
Patent Examiner  
Technology Center 2100

7/7/06